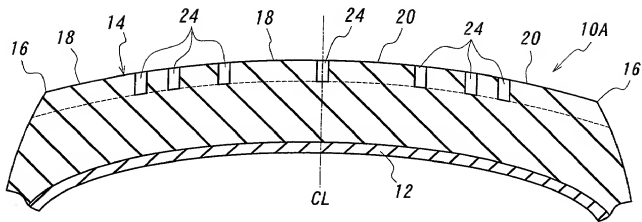




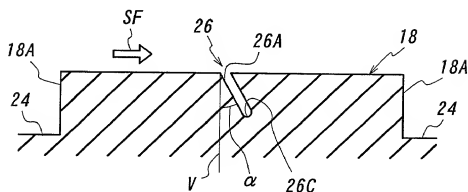
**FIG. 2**



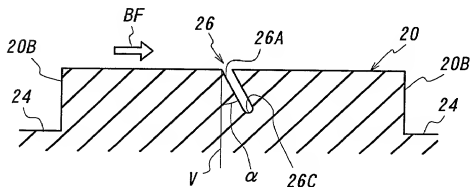
0988619.05201

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**FIG. 3**

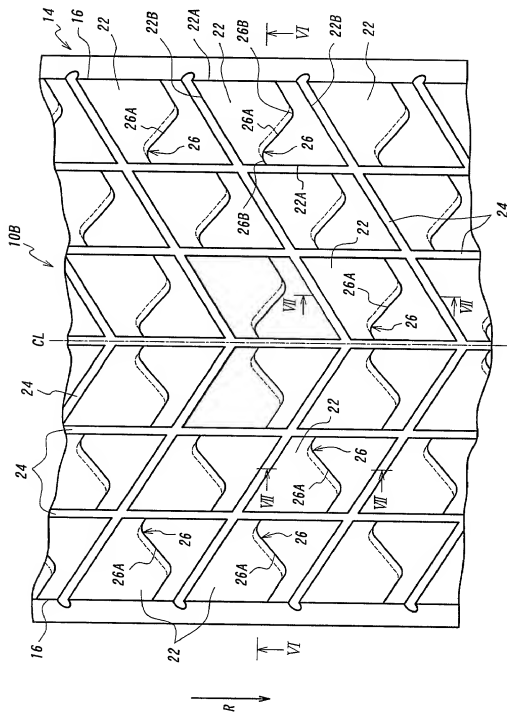


**FIG. 4**

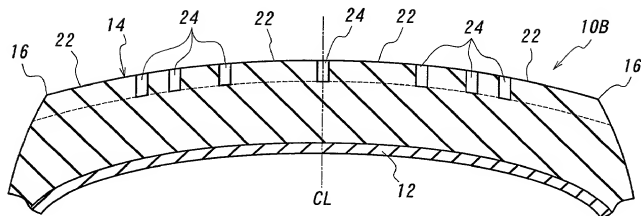


0988619.062201

**FIG. 5**



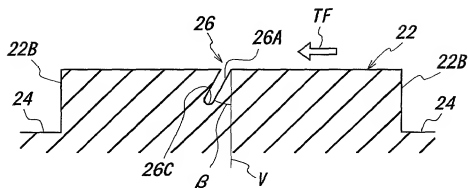
**FIG. 6**



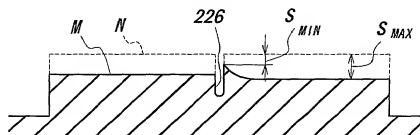
0936119-062201

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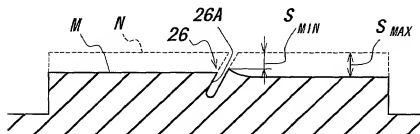
**FIG. 7**



**FIG. 8**  
PRIOR ART



**FIG. 9**



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FIG. 10

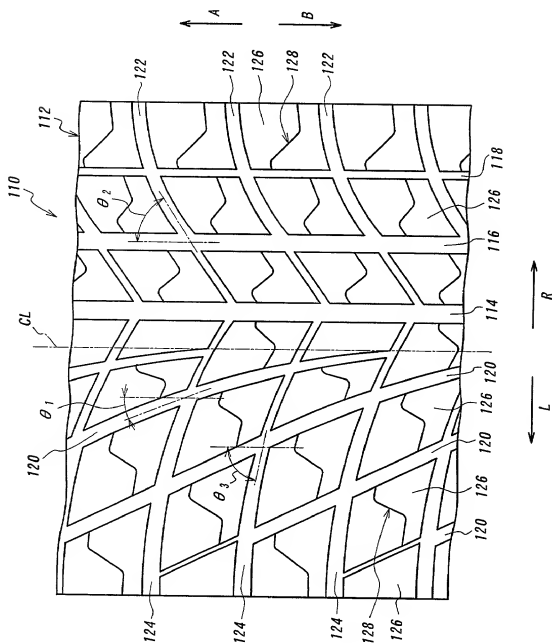


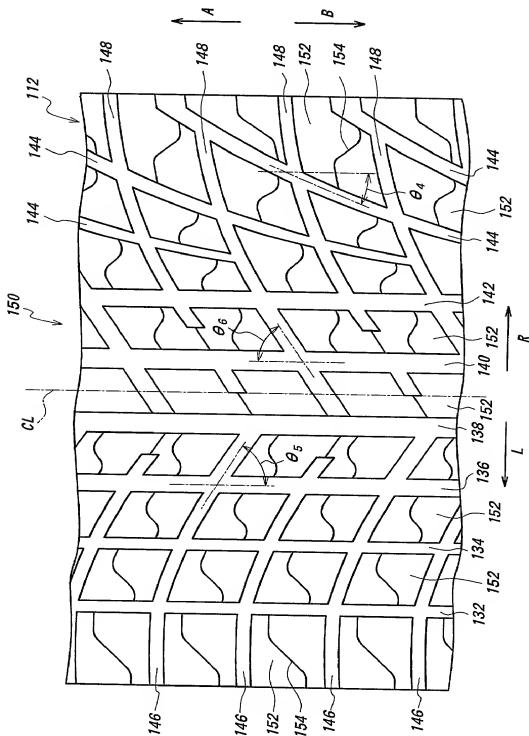
Fig. 1 is a perspective view of a first embodiment of a thin film device. The device is a rectangular plate with a central raised region 128. The raised region has a central ridge 128C and side ridges 128B. The central ridge has a width W and a height R. The side ridges have a height R. The central ridge is flanked by a central channel 130L and side channels 130S. The device is shown with dimensions L0, L1, and L. Arrows A and B indicate directions of movement or force.

Figure 1 is a perspective view of a triangular plate 128. The plate has vertices 130L, 130S, and 126. A central notch 128A is formed by edges 128B and 128C, with a depth  $L_1$ . The overall width of the plate is  $L_0$ . A coordinate system is shown at the bottom with horizontal axis  $L$  and vertical axis  $R$ . A vertical axis  $A$  and  $B$  is also indicated on the right side.



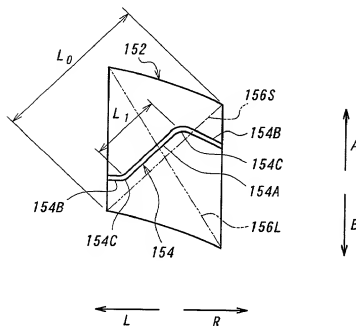
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FIG. 12

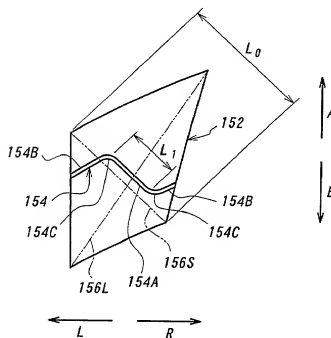


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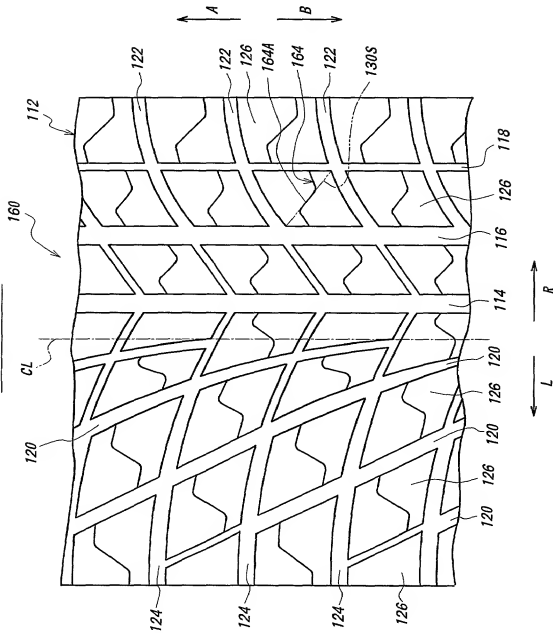
**FIG. 13A**



**FIG. 13B**

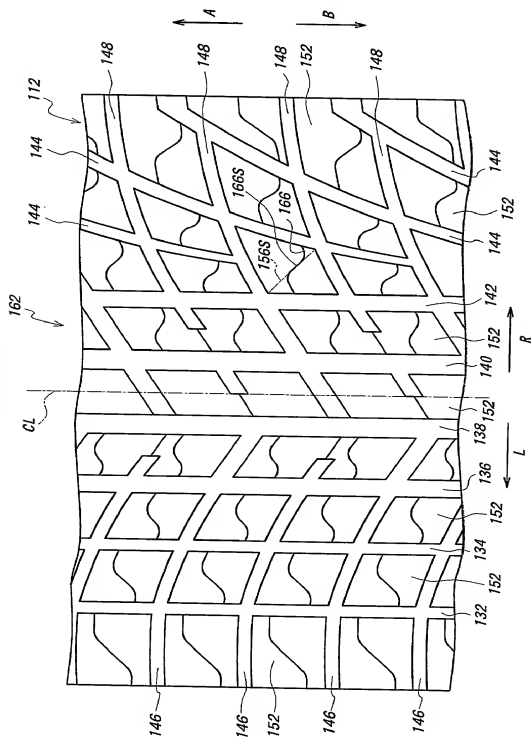


**FIG. 14**  
Comparative



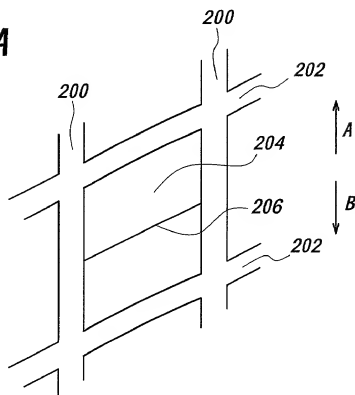
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**FIG. 15**  
Comparative



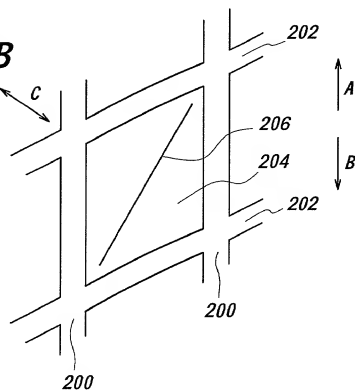
**FIG. 16A**

PRIOR ART

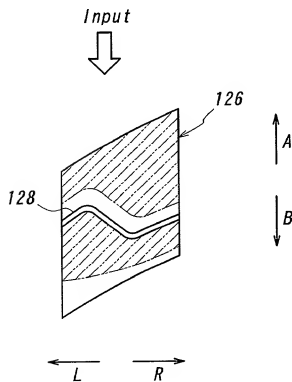


**FIG. 16B**

PRIOR ART



**FIG. 17A**



**FIG. 17B**

